DVR

DVR MILANO series

The new DVR family **MILANO** renews and improve the Fracarro range for professional digital video recording. These Esaplex dvr are mainly characterized by the advanced features concentration and incredible ease of use thanks to the clear and intuitive graphical menu.

The new H264 compression allows you to record long periods using small disk space without impact on total quality, adjustable to 9 levels in the well-resolution D1 (720x576).

MILANO family allows a comfortable and reliable video monitoring by mobile phone, PDA and smartphone without software need. It's also possible to create small applications for home automation through remote control of 2 relays output.

All dvr provide multiple video outputs: VGA, S-Video and 2 BNC while the innovative eSATA connectivity ensures the ultra-fast connection to external devices such as hard disk and DVD recorders. **MILANO** series supports a powerful central monitoring software (CMS) that allows to remotely manage up to 10 DVR through the interactive graphical maps (HEM). The DVR is supplied with remote control and usb mouse while control keyboard and internal DVD burner are available as option.

Main features

- Real Esaplex (Rec, Live, Play, Control, Backup, Network)
- Quick connection with mobile phone/PDA without sw needs
- H264 compression
- Real time Recording, Playback and Live (4 and 9 ch.)
- VGA, S-Video, BNC outputs
- Fully PTZ control for all the Fracarro speed dome
- Full-D1 (720x570) resolution
- FTP recording and e-mail event notification
- Smart Search facility
- Pre/post alarms recording
- CMS software with interactive graphic maps (10 DVR)
- Optional control keyboard (max 256 PTZ and/or DVR)
- eSATA connection for external hard disks (9 and 16 ch)
- Privacy requirement ready with watermarking and selectable recording time (adjustable per hours)

Other features

- AVI exportation files (USB, network)
- Advanced motion detection: multi-area and –sensibility
- Clear and easy graphic OSD Multilanguage menu
- Windows Vista and Window 7 ready
- Comply with POS and ATM for system integration
- Windows Vista and new Window 7 ready
- Complete network support (TCP/IP, PPPoE, DHCP, DDNS, SMTP, FTP)
- Remote control and mouse included
- 18 different accounts with 4 level password protection
- Optional DVD burner and control keyboard as option

			DVR MILANO 9	DVR MILANO 16
Code			918123	918124
Technical Specification				
Video	Input	n°	9 BNC	16 BNC
	Output		VGA / S-Video / 2 BNC (monitor e spot)	
	Standard		NTSC/PAL manual selection	
	Signal		1.0Vp-p, 75 W unbalanced type BCN	
Audio	Input	n°	2	4
	Output		2	2
	Signal		100mV - 2Vrms	
Functions			Recording, Live, Playback, Control, Backup and Network	
Recording				
Frame rate (adjustable for each camera)	NTSC	Fps	240 (360×240) 120 (720×240) 60 (720×480)	240 (360×240) 120 (720×240) 60 (720×480)
	PAL		200 (360×288) 100 (720×288) 50 (720×576)	200 (360×288) 100 (720×288) 50 (720×576)
Quality			Adjustable for each camera with 9 levels	
Modality			Manual / Scheduling / Motion / Alarm / Pre and Post alarm (0-60 sec)	
Scheduling			Time and frame rate adjustable for each camera	
Compression	video	standard	H264	
	audio		ADPCM	
Search			Date / time / motion / video loss / Camera / Smart Search	
Hard disk	Internal		SATA	
	External		eSATA	eSATA
	Capacity max	GB	3 disks up to 2TB (6TB max)	
	Overwrite		Full disk stop / Full disk overwrite / Time adjustable overwrite (Privacy)	
	Partition		Double partition size adjustable for alarm and normal recording	
	Security		Failure event detection	
Estimated Recording time CIF (352x288) with medium quality (5)	250 GB	days	3 (200 fps)	3 (200 fps)
	500 GB		6 (200 fps)	6 (200 fps)
	2 TB		23 (200 fps)	23 (200 fps)
Display				
Resolution	NTSC	pixels	720×480	
	PAL		720×576	
Speed			Real time	
Mode			Full screen / Quad / 7 / 9 / Sequential	Full screen / Quad / 7 / 9 / 10 / 13 / 16 Sequential

Fracarro Radioindustrie S.p.A.
via Cazzaro, 3
31033 Castelfranco Veneto (TV)
Italy
tel. +39 0423 7361
fax +39 0423 736220
www.fracarro.com
info@fracarro.com

Fracarro (UK) Ltd
Unit A.
Ibex House, Keller Close
Kiln Farm, Milton Keynes.
MK11 3LL
UK
Tel. +44(0)1908 571571
Fax +44(0)1908 571570

Fracarro Ibérica
Polígono Táctica "Ciudad de los negocios"
C/2A, n° 4 - 46980
Paterna - Valencia
Tel. +34/961340104
Fax. +34/961340691

Fracarro France S.A.S.
14 bis rue du Ratrait
92158 Suresnes Cedex
France
Tel. +33 1 47283400
Fax +33 1 47283421

Fracarro Tecnologia e
Antenas de Televisao Lda
Rua Alexandre Herculano, n°1-1°B
Edifício Central Park
2795-242 Linda-a-Velha
Portugal
Tel.: +351214156800
Fax: +351214156809

Zoom			X2 and x4 on live
Motion detection			Detection areas and sensitivity adjustable for each camera
Network			
Connection			RJ45, Ethernet 10/100 baseT Mbit
Communications	Protocols		TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP
	Ports		Independent configuration for data and Control
Functionalities			Remote control, Live view with PTZ facility, Backup, fw upgrade
Event management			Mail notification and ftp recording
Users			Max 8 users simultaneously
User interface			
Protection			Multilevel Password (4) and multi-user (18)
Locally			Frontal keyboard, USB mouse, remote control (up to 4 dvr), optional control keyboard with 3-axis joystick (up to 256 DVR)
Remotely	PC	Browser	Full management (up to 4 DVR) by ActiveX control
		CMS	Full management (up to 10 DVR) with interactive graphic maps
	Mobile phone/ Smartphone/ PDA		Live (Quad/Full screen) with adjustable resolution, input alarms status monitoring, output relay activation (home automation facility)
Event management			
Detected events	Type		Motion detection, video loss, input alarms, full disk, hard disk faulty
Alarms	Input	n.°	16 (TTL/CMOS selectable polarity)
	Output		1 NO, 1 NC
Buzzer			Programmable for each event
Log file			Last 3.000 events
Connections			
Serial communication			RS485 (D+, D-), RS-232
PTZ control			Pelco D, Pelco P, Samsung SCC-641P, Kalatel Cyber Dome, Bosch AutoDome and other protocols…
Backup			USB 2.0 (Pendrive, external hard disk self-powered, External DVD burner self-powered, SD-MMC Card) / Internet Explorer / CMS / Internal DVD burner (optional)
Generals			
Power supply ~	ON/OFF switch	V, Hz	100–240, 50/60 (12Vdc/8A external adapter included))
Power		W	70 max
Operating Temperature		℃	0 – 50
Operating Humidity		Ur %	<80
Dimensions (w×l×h)		mm	320 x 210 x 50
Weight	without hard disk	kg	About 4

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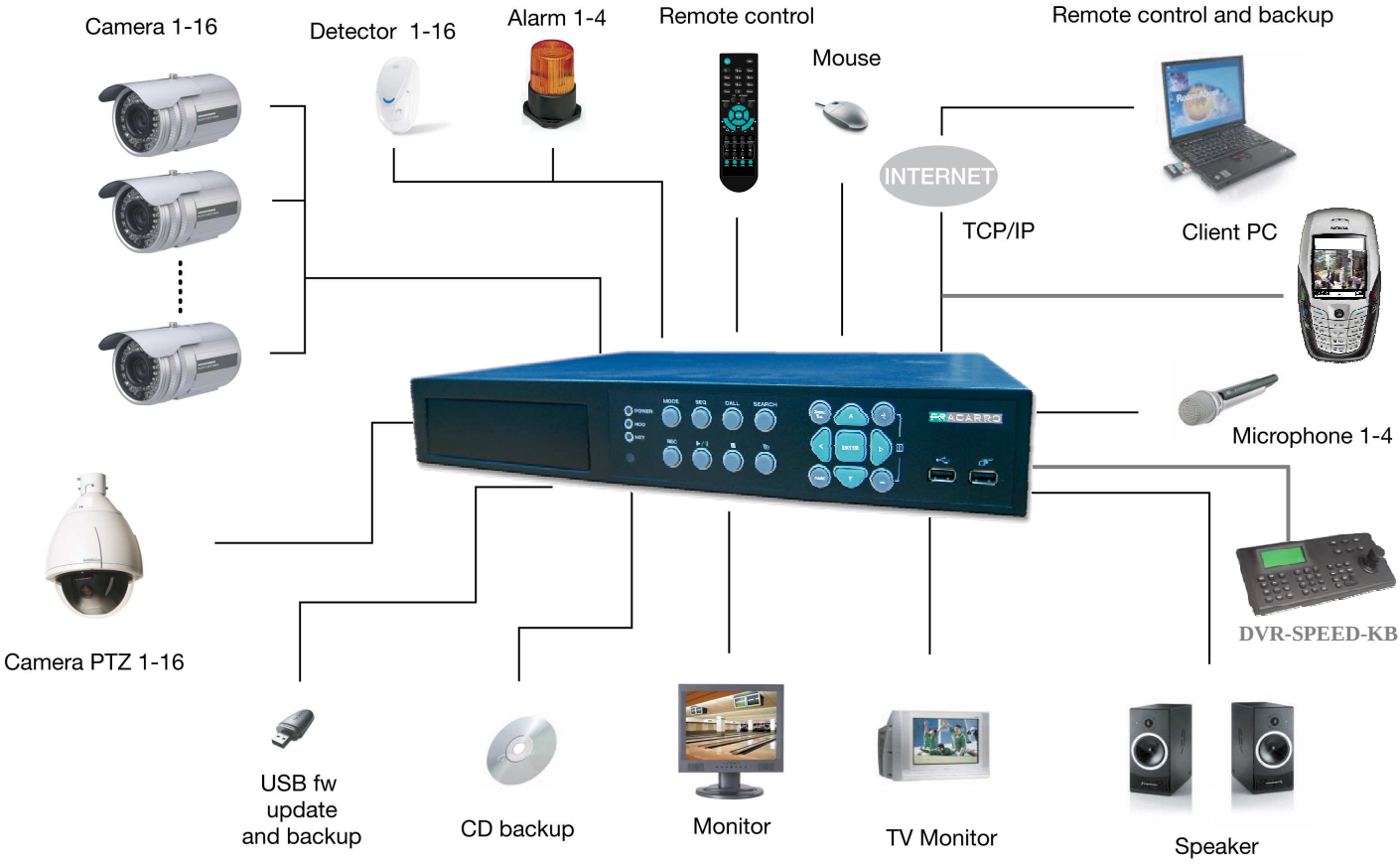
Accessories	Code Fracarro	Description
HDD-250S	918221	Hard disk 250 GB 7200 rpm SATA
HDD-500S	918222	Hard disk 500 GB 7200 rpm SATA
HDD-1000S	918223	Hard disk 1000 GB 7200 rpm SATA
DVD-SATA	918126	Internal SATA DVD burner for backup and playback on DVD+RW, DVD+R, DVD-R disks
DVR-SPEED-KB	918125	Control keyboard (RS485) to manage completely up to 256 DVR and/or Fracarro speed dome of CSD series
DVR-EXT-REMOTE	918136	Adjunctive remote control with external IR sensor (with cable 3m)
PSU-12V8A-4PIN	093922	Replacement power supplies for DVR MILANO 9 and 16, 90-260 Vac, 12V on 4 pin

Installation scheme



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